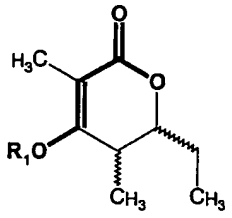
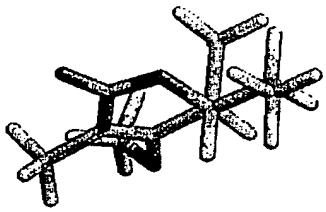


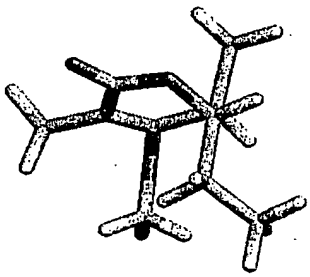
5 : R_1 = β-D-glucopyranose

10 : R_1 = Me

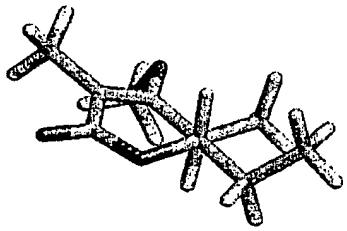
Fig. 1



cis-2



trans-2a



trans-2b

Fig. 2

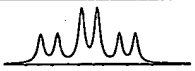
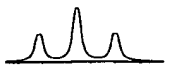
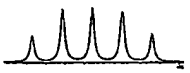
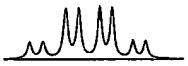
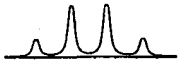
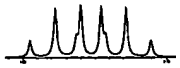
	cis-2	*trans -2a*	*trans-2b*
H4-H5 torsion angle	43-53° (57.7)	78-89° (74.1)	168-179°(172.8)
Calc. $^3J_{H4-H5}$	2.57 Hz	0.66 Hz	12.7 Hz
Calc. H_5 *multiplet*			
Calc. H_4 *multiplet*			
Exp. H_4 H_5 *multiplet*	 1.2 Hz		

Fig. 3